

**COMBINED DECLARATION FOR PATENT APPLICATION  
AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same**

the specification of which (check one) ☐ is attached hereto or ☒ was filed on September 18, 2000 as Application Serial No. 09/665,350 and was amended on          (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate have a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priority Claimed  
Yes      No

Number	Country	Day/Month/Year Filed
I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional applications(s) listed below:		
Application Ser. No.	Filing Date	
I hereby claim the benefit under Title 35, United States Code, § 120 of any United States applications(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:		
Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.



09157

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I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from his foreign patent agent as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

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## **Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same**

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Priority Claimed  
Yes      No

Number	Country	Day/Month/Year Filed
I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications listed below:		
<u>See Attached Appendix A (Listing 50 U.S. Provisional Patent Applications)</u>		
Application Ser. No.		Filing Date
I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:		
PCT/US99/21090		September 15, 1999
Application Ser. No.		Filing Date
PCT/US00/04414		February 22, 2000
Application Ser. No.		Filing Date
PCT/US99/21547		September 15, 1999
Application Ser. No.		Filing Date
PCT/US99/23089		October 5, 1999
Application Ser. No.		Filing Date
PCT/US99/28214		November 29, 1999
Application Ser. No.		Filing Date
PCT/US99/28313		November 30, 1999
Application Ser. No.		Filing Date
PCT/US99/28564		December 2, 1999

PCT/US99/21090	September 15, 1999	Pending
Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
PCT/US00/04414	February 22, 2000	Pending
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Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
PCT/US99/28313	November 30, 1999	Pending
Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
PCT/US99/28564	December 2, 1999	Pending

Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
PCT/US99/28565	December 2, 1999	Pending
Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
PCT/US99/30095	December 16, 1999	Pending
Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
PCT/US99/30999	December 20, 1999	Pending
Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
PCT/US99/30911	December 20, 1999	Pending
Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
PCT/US00/00219	January 5, 2000	Pending
Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

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I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of sole or first inventor

Avi Ashkenazi

Inventor's signature *Avi Ashkenazi*

Date *10/17/00*

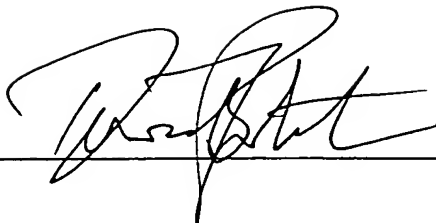
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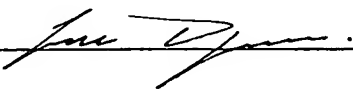
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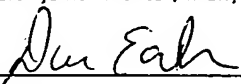
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Full name of eleventh joint inventor, if any

Audrey Goddard



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Date

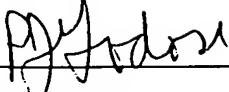
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1/102/00

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Austin L. Gurney

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Full name of fourteenth joint inventor, if any

Austin L. Gurney

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Full name of fifteenth joint inventor, if any

Kenneth J. Hillan

*Kenneth J. Hillan*

12/4/00

Inventor's signature

Date

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Date

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Full name of fifteenth joint inventor, if any

Kenneth J. Hillan

Inventor's signature

Date

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Residence

GB

Citizenship

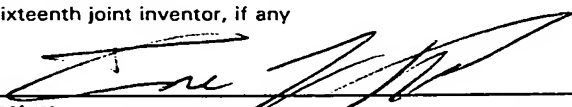
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Full name of sixteenth joint inventor, if any

Ivar J. Kljavin



10-18-00

Inventor's signature

Date

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ISK 10-18-00

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Full name of sixteenth joint inventor, if any

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269 La Prenda Drive, Millbrae, CA 94030

Date

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Citizenship

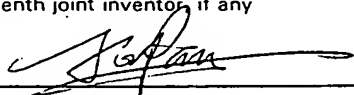
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Date

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Full name of twentieth joint inventor, if any

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Full name of twenty-first joint inventor, if any

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South San Francisco, CA 94080

Full name of twentieth joint inventor, if any

Margaret Ann Roy

Inventor's signature  
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Date

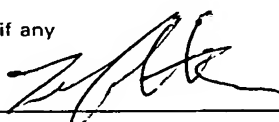
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Full name of twenty-first joint inventor, if any

Timothy A. Stewart



10/18/00

Inventor's signature  
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Full name of twenty-second joint inventor, if any

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South San Francisco, CA 94080

Full name of twenty-first joint inventor, if any

Timothy A. Stewart

Inventor's signature  
465 Douglass Street, San Francisco, CA 94114

Date

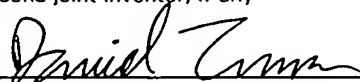
Residence  
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Citizenship

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Daniel Tumas

10/24/2000  
DateInventor's signature  
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*P. Mickey Williams*

*12/20/00*

Inventor's signature

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Inventor's signature

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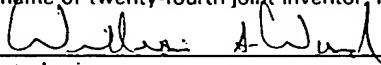
Date

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## Appendix A

Provisional Application Serial Number	Filing Date
60/059,115	September 17, 1997
60/059,184	September 17, 1997
60/059,122	September 17, 1997
60/059,117	September 17, 1997
60/059,113	September 17, 1997
60/059,121	September 17, 1997
60/059,119	September 17, 1997
60/059,263	September 18, 1997
60/059,266	September 18, 1997
60/062,125	October 15, 1997
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60/063,486	October 21, 1997
60/062,816	October 24, 1997
60/062,814	October 24, 1997
60/063,127	October 24, 1997
60/063,120	October 24, 1997
60/063,121	October 24, 1997
60/063,045	October 24, 1997
60/063,128	October 24, 1997
60/063,329	October 27, 1997
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60/064,809	November 7, 1997
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60/065,846	November 17, 1997
60/065,693	November 18, 1997
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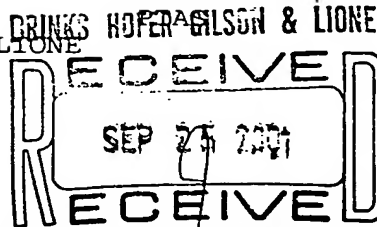


UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

SEPTEMBER 18, 2001

BRINKS HOFER GILSON & LIONE  
PAUL E. RAUCH, PH.D.  
P.O. BOX 10395  
CHICAGO, IL 60610



\*101776882A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

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RECORDATION DATE: 07/09/2001

REEL/FRAME: 011964/0181  
NUMBER OF PAGES: 27

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ASHKENAZI, AVI

DOC DATE: 10/17/2000

ASSIGNOR:

BOTSTEIN, DAVID

DOC DATE: 10/25/2000

ASSIGNOR:

DESNOYERS, LUC

DOC DATE: 10/27/2000

ASSIGNOR:

EATON, DAN L.

DOC DATE: 10/17/2000

ASSIGNOR:

FERRARA, NAPOLEONE

DOC DATE: 10/17/2000

ASSIGNOR:

FILVAROFF, ELLEN

DOC DATE: 10/20/2000

ASSIGNOR:

FONG, SHERMAN

DOC DATE: 10/17/2000

ASSIGNOR: GAO, WEI-QIANG	DOC DATE: 10/17/2000.
ASSIGNOR: GERBER, HANSPETER	DOC DATE: 10/17/2000
ASSIGNOR: GERRITSEN, MARY E.	DOC DATE: 10/17/2000
ASSIGNOR: GODDARD, AUDREY	DOC DATE: 10/22/2000
ASSIGNOR: GODOWSKI, PAUL J.	DOC DATE: 11/02/2000
ASSIGNOR: GRIMALDI, CHRISTOPHER J.	DOC DATE: 10/18/2000
ASSIGNOR: GURNEY, AUSTIN L.	DOC DATE: 10/18/2000
ASSIGNOR: HILLAN, KENNETH J.	DOC DATE: 11/04/2000
ASSIGNOR: KLJAVIN, IVAR J.	DOC DATE: 10/18/2000
ASSIGNOR: MATHER, JENNIE P.	DOC DATE: 10/25/2000
ASSIGNOR: PAN, JAMES	DOC DATE: 10/18/2000
ASSIGNOR: PAONI, NICHOLAS F.	DOC DATE: 10/17/2000
ASSIGNOR: ROY MARGARET ANN	DOC DATE: 10/19/2000
ASSIGNOR: STEWART, TIMOTHY A.	DOC DATE: 10/18/2000
ASSIGNOR: TUMAS, DANIEL	DOC DATE: 10/24/2000
ASSIGNOR: WILLIAMS, P. MICKEY	DOC DATE: 10/20/2000
ASSIGNOR: WOOD, WILLIAM I.	DOC DATE: 10/20/2000

011964/0181 PAGE 3

ASSIGNEE:

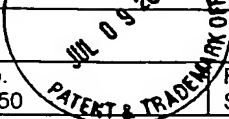
GENENTECH, INC.  
1 DNA WAY  
SOUTH SAN FRANCISCO, CALIFORNIA

94080-4990

SERIAL NUMBER: 09665350  
PATENT NUMBER:

FILING DATE: 09/18/2000  
ISSUE DATE:

TONYA LEE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



TRANSMITTAL LETTER			Case No. 10466-14/P1618P2C1
Serial No. 09/665,350	Filing Date September 18, 2000	Examiner To Be Assigned	Group Art Unit 1645
Inventor Avi Ashkenazi et al.			
Title of Invention SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME			

TO THE COMMISSIONER FOR PATENTS

Transmitted herewith is Transmittal Letter (in Duplicate); Check in amount of \$40.00 (Assignment recordal fee) and Assignment Recordal Sheet with executed Assignment and with postcard.

- ☐ Small entity status of this application under 37 CFR § 1.27 has been established by verified statement previously submitted.
- ☐ A verified statement to establish small entity status under 37 CFR §§ 1.9 and 1.27 is enclosed.
- ☐ Petition for a \_\_\_\_\_ month extension of time.
- ☐ No additional fee is required.

The fee has been calculated as shown below:

					Small Entity		or	Other Than Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee		Rate	Add'l Fee
Total		Minus			x \$9=			x \$18=	
Indep.		Minus			x 39=			x \$78=	
First Presentation of Multiple Dep. Claim					+\$130 =			+ \$260=	
					Total add'l fee	\$		total add'l fee	\$

- ☐ Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$\_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- ☒ A check in the amount of \$40.00 to cover the Recordation of Assignment filing fee is enclosed.
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- ☒ I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.


Respectfully submitted,



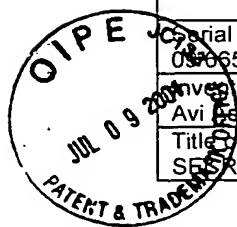
Paul E. Rauch, Ph.D.  
Registration No. 38,591  
Attorney for Applicants

BRINKS HOFER GILSON & LIONE  
P.O. BOX 10395  
CHICAGO, ILLINOIS 60610 - (312) 321-4200

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to:  
Commissioner for Patents, Washington, D.C. 20231, on July 5, 2001.

Date: 7/5/01 Signature:   
rev. Dec.-99

D  
#



TRANSMITTAL LETTER			Case No. 10466-14/P1618P2C1
Serial No. 0965,350	Filing Date September 18, 2000	Examiner To Be Assigned	Group Art Unit 1645
Inventor Avi Benkenazi et al.			
Title of Invention SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME			

TO THE COMMISSIONER FOR PATENTS

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- ☐ A verified statement to establish small entity status under 37 CFR §§ 1.9 and 1.27 is enclosed.
- ☐ Petition for a \_\_\_\_\_ month extension of time.
- ☐ No additional fee is required.

The fee has been calculated as shown below:

					Small Entity		Other Than Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	Rate	Add'l Fee
Total		Minus			x \$9=		x \$18=	
Indep.		Minus			x 39=		x \$78=	
First Presentation of Multiple Dep. Claim					+\$130 =		+ \$260=	
					Total add'l fee	\$	total add'l fee	\$

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Respectfully submitted,

Paul E. Rauch, Ph.D.  
Registration No. 38,591  
Attorney for Applicants

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07-16-2001



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Please record the:

101776882

ereof.

## 1. Name of Parties conveying an interest:

Avi Ashkenazi  
David Botstein  
Luc Desnoyers  
Dan L. Eaton  
Napoleone Ferrara  
Ellen Filvaroff  
Sherman Fong  
Wei-Qiang Gao  
Hanspeter Gerber  
Mary E. Gerritsen  
Audrey Goddard  
Paul J. Godowski

7-9-01

Name:

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Internal Address:

Street Address:

1 DNA Way

City:

South San Francisco,

State/Zip:

California 94080-4990

Additional name(s) and addresses attached?

☐ Yes ☒ No

Additional names of conveying parties attached?

☒ Yes ☐ No

## 3. Description of the interest conveyed:

☒ Assignment☐ Change of Name

Other:

☐ Security Agreement☐ Merger

Execution Date: Oct. 17, 2000; Oct. 25, 2000; Oct. 27, 2000; Oct. 17, 2000; Oct. 17, 2000;  
Oct. 20, 2000; Oct. 17, 2000; Oct. 17, 2000; Oct. 17, 2000; Oct. 17, 2000; Oct. 22, 2000; Nov. 2, 2000

Additional execution dates attached? ☒ Yes ☐ No4. Application number(s) or patent number(s). Additional sheet attached? ☐ Yes ☒ No

If this document is being filed together with a new application, the execution date of the application is:

Date

A. Patent Application No.(s)

09/665,350

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

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CHICAGO, IL 60610  
(312)321-4200

## 6. Number of applications and patents involved: 1

## 7. Total fee (37 CFR 3.41)

\$ 40.00

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Paul E. Rauch, Ph.D. Reg. No. 38,591

Name of Person Signing

Signature

July 5, 2001

Date

Total number of pages including cover sheet, attachments, and document: 27

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07-16-2001



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Please record the:

1. Name of Parties conveying an interest:

Avi Ashkenazi  
David Botstein  
Luc Desnoyers  
Dan L. Eaton  
Napoleone Ferrara  
Ellen Filvaroff  
Sherman Fong  
Wei-Qiang Gao  
Hanspeter Gerber  
Mary E. Gerritsen  
Audrey Goddard  
Paul J. Godowski

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101776882

ereof.

Name of Parties receiving an interest:

Name: GENENTECH, INC.  
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Street Address: 1 DNA Way  
City: South San Francisco,  
State/Zip: California 94080-4990

Additional name(s) and addresses attached?

☐ Yes ☒ No

Additional names of conveying parties attached?

☒ Yes ☐ No

3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name

Other:

☐ Security Agreement☐ Merger

Execution Date: Oct. 17, 2000; Oct. 25, 2000; Oct. 27, 2000; Oct. 17, 2000; Oct. 17, 2000;  
Oct. 20, 2000; Oct. 17, 2000; Oct. 17, 2000; Oct. 17, 2000; Oct. 17, 2000; Oct. 22, 2000; Nov. 2, 2000

Additional execution dates attached? ☒ Yes ☐ No4. Application number(s) or patent number(s). Additional sheet attached? ☐ Yes ☒ No

If this document is being filed together with a new application, the execution date of the application is:

Date

A. Patent Application No.(s)

09/665,350

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

BRINKS HOFER GILSON & LIONE  
P.O. BOX 10395  
CHICAGO, IL 60610  
(312)321-4200

6. Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)

\$ 40.00

☒ Enclosed☐ Authorized to be charged to Deposit Account No. 23-19258. ☒ Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.

DO NOT USE THIS SPACE

07/13/2001 LUELLER 00000260 09665350

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40.00 OP

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Paul E. Rauch, Ph.D., Reg. No. 38,591

Name of Person Signing

Signature

July 5, 2001

Date

Total number of pages including cover sheet, attachments, and document: 27

PATENTS ONLY

PATENTS ONLY

**TO THE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Please record the attached original document or copy thereof.

Patent Assignment Recordal Sheet, page 2  
For US patent Application No. 09/665,350

Additional names of conveying parties:

Christopher J. Grimaldi  
Austin L. Gurney  
Kenneth J. Hillan  
Ivar J. Kljavin  
Jennie P. Mather  
James Pan  
Nicholas F. Paoni  
Margaret Ann Roy  
Timothy A. Stewart  
Daniel Tumas  
P. Mickey Williams  
William I. Wood

Additional execution dates:

Oct. 18, 2000; Oct. 18, 2000; Nov. 4, 2000; Oct. 18, 2000; Oct. 25, 2000; Oct. 18, 2000; Oct. 17, 2000;  
Oct. 19, 2000; Oct. 18, 2000; Oct. 24, 2000; Oct. 20, 2000; Oct. 20, 2000

**A S S I G N M E N T**

WHEREAS, Avi Ashkenazi, a citizen of US, residing at 1456 Tarrytown Street, San Mateo, CA 94402, and David Botstein, a citizen of US, residing at 2539 Somerset Drive, Belmont, CA 94002, and Luc Desnoyers, a citizen of Canada, residing at 2050 Stockton Street, San Francisco, CA 94133, and Dan L. Eaton, a citizen of US, residing at 75 Knight Drive, San Rafael, CA 94901, and Napoleone Ferrara, a citizen of US, residing at 2090 Pacific Avenue #704, San Francisco, CA 94109, and Ellen Filvaroff, a citizen of US, residing at 538 18th Avenue, San Francisco, CA 94121, and Sherman Fong, a citizen of US, residing at 19 Basinside Way, Alameda, CA 94502, and Wei-Qiang Gao, a citizen of China, residing at 641 Pilgrim Drive, Foster City, CA 94404, and Hanspeter Gerber, a citizen of Switzerland, residing at 1121 Tennessee Street #5, San Francisco, CA 94107, and Mary E. Gerritsen, a citizen of Canada, residing at 541 Parrott Drive, San Mateo, CA 94402, and Audrey Goddard, a citizen of Canada, residing at 110 Congo Street, San Francisco, CA 94131, and Paul J. Godowski, a citizen of US, residing at 2627 Easton Drive, Burlingame, CA 94010, and Christopher J. Grimaldi, a citizen of US, residing at 1434 36th Avenue, San Francisco, CA 94122, and Austin L. Gurney, a citizen of US, residing at 1 Debbie Lane, Belmont, CA 94002, and Kenneth J. Hillan, a citizen of Great Britain, residing at 64 Seward Street, San Francisco, CA 94114, and Ivar J. Kljavin, a citizen of US, residing at 3673 Crescent Drive, Lafayette, CA 94549, and Jennie P. Mather, a citizen of US, residing at 269 La Prenda Drive, Millbrae, CA 94030, and James Pan, a citizen of Canada, residing at 2705 Coronet Boulevard, Belmont, CA 94002, and Nicholas F. Paoni, a citizen of US, residing at 1756 Terrace Drive, Belmont, CA 94002, and Margaret Ann Roy, a citizen of US, residing at 2960 Webster Street #4, San Francisco, CA 94123, and Timothy A. Stewart, a citizen of US, residing at 465 Douglass Street, San Francisco, CA 94114, and Daniel Tumas, a citizen of US, residing at 3 Rae Avenue, Orinda, CA 94563, and P. Mickey Williams, a citizen of US, residing at 509 Alto Avenue, Half Moon Bay, CA 94019, and William I. Wood, a citizen of US, residing at 35 Southdown Court, Hillsborough, CA 94010 (hereinafter "ASSIGNORS"), have invented a new and useful invention in

***Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same***

for which an application Serial No. 09/665,350 (Docket No. P1618P2C1) for Letters Patent has been filed by them on September 18, 2000; and

WHEREAS, GENENTECH, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, having a place of business at 1 DNA Way, South San Francisco, California 94080-4990, is desirous of acquiring an interest in and to said invention, and in and to the Letters Patents to be obtained therefor;

NOW, THEREFORE, be it known by all whom it may concern;

That for good and valuable consideration the receipt of which is hereby acknowledged, the said ASSIGNORS have and do hereby sell, assign, transfer and set over unto the said GENENTECH, INC., its successors and assigns, the full and exclusive right, title and interest including all rights under the Paris Convention for the Protection of Industrial Property, in and to said invention, and in and to any and all Letters Patents to be granted and issued therefor or any continuation, division, renewal, or substitute thereof, and as to Letters Patents any reissue or re-examination thereof, not only for, to, and in the United States of America, its territories and possessions, but for, to and in all other countries; and it has been and is hereby authorized and requested that the appropriate government agencies issue said Letters Patents to said GENENTECH, INC., in accordance with this Assignment.

Said ASSIGNORS covenant and agree to cooperate with GENENTECH, INC., to enable said GENENTECH, INC. to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said ASSIGNORS includes prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said GENENTECH, INC., (a) for perfecting the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting applications for reissuance of any of said patents; (d) for interference or other priority proceedings involving said invention; and (e) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said ASSIGNORS in providing such cooperation shall be paid for by said GENENTECH, INC.

The terms and covenants of this assignment shall inure to the benefit of said GENENTECH, INC., its successors, assigns and other legal representatives, and shall be binding upon said ASSIGNORS, their respective heirs, legal representatives and assigns.

Said ASSIGNORS hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF we undersign as follows;

South San Francisco

Avi Ashkenazi  
Avi Ashkenazi

Dated: 10/17/00

South San Francisco

\_\_\_\_\_  
David Botstein

Dated: \_\_\_\_\_

South San Francisco

\_\_\_\_\_  
Luc Desnoyers

Dated: \_\_\_\_\_

South San Francisco

\_\_\_\_\_  
Dan L. Eaton

Dated: \_\_\_\_\_

South San Francisco

\_\_\_\_\_  
Napoleone Ferrara

Dated: \_\_\_\_\_

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South San Francisco

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South San Francisco

Dated: Oct 25, 2000

South San Francisco

Dated: \_\_\_\_\_

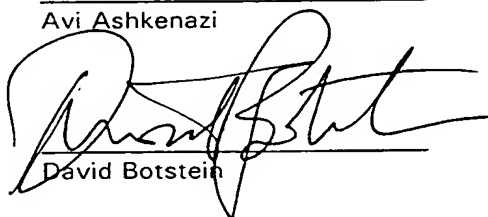
South San Francisco

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South San Francisco

Dated: \_\_\_\_\_

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Avi Ashkenazi

  
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David Botstein

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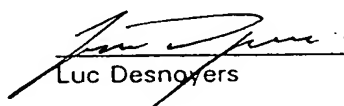
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Luc Desnoyers

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Dan L. Eaton

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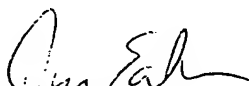
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Ellen Filvaroff

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Sherman Fong

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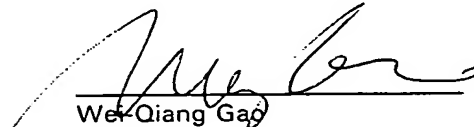
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Mary E. Gerritsen

South San Francisco

Dated: 10.22.00

  
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Audrey Goddard

South San Francisco

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South San Francisco

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South San Francisco

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Audrey Goddard

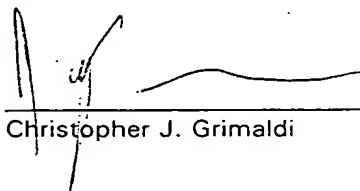
South San Francisco

Dated: \_\_\_\_\_

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Paul J. Godowski

South San Francisco

Dated: 10/18/2000

  
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Christopher J. Grimaldi

South San Francisco

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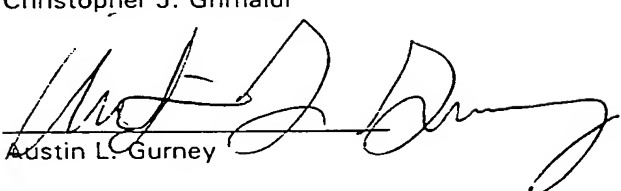
South San Francisco

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Christopher J. Grimaldi

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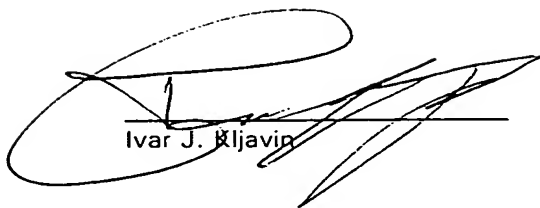
South San Francisco

Dated: 12/4/00

\_\_\_\_\_  
*Kenneth J. Hillan*  
Kenneth J. Hillan

South San Francisco

Dated: 10-18-00



Ivar J. Bjavin

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Jennie P. Mather

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
James Pan

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Nicholas F. Paoni

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Margaret Ann Roy

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Timothy A. Stewart

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Daniel Tumas

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
P. Mickey Williams

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
William I. Wood

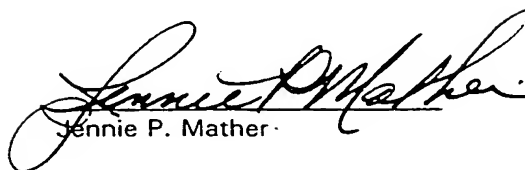
South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Ivar J. Kljavin

South San Francisco

Dated: 10/25/20

\_\_\_\_\_  
  
Jennie P. Mather

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
James Pan

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Nicholas F. Paoni

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Margaret Ann Roy

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Timothy A. Stewart

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Daniel Tumas

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
P. Mickey Williams

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
William I. Wood

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Ivar J. Kljavin

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Jennie P. Mather

South San Francisco

Dated: Oct 18/2006

  
\_\_\_\_\_  
James Pan

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Nicholas F. Paoni

South San Francisco

Dated: \_\_\_\_\_

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Margaret Ann Roy

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Timothy A. Stewart

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Daniel Tumas

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
P. Mickey Williams

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
William I. Wood

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Ivar J. Kljavin

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Jennie P. Mather

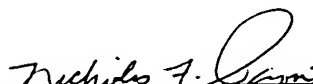
South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
James Pan

South San Francisco

Dated: 10/17/2000

  
\_\_\_\_\_  
Nicholas F. Paoni

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Margaret Ann Roy

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Timothy A. Stewart

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Daniel Tumas

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
P. Mickey Williams

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
William I. Wood

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Ivar J. Kljavin

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Jennie P. Mather

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
James Pan

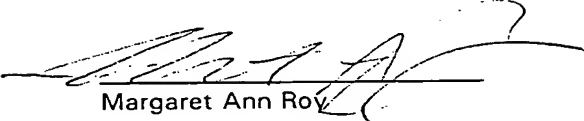
South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Nicholas F. Paoni

South San Francisco

Dated: 10/19/2020

  
\_\_\_\_\_  
Margaret Ann Roy

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Timothy A. Stewart

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Daniel Tumas

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
P. Mickey Williams

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
William I. Wood



South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Ivar J. Kljavin

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Jennie P. Mather

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
James Pan

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Nicholas F. Paoni

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Margaret Ann Roy

South San Francisco

Dated: 10/18/00

  
\_\_\_\_\_  
Timothy A. Stewart

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Daniel Tumas

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
P. Mickey Williams

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
William I. Wood

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Ivar J. Kljavin

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Jennie P. Mather

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
James Pan

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Nicholas F. Paoni

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Margaret Ann Roy

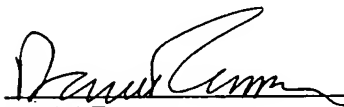
South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Timothy A. Stewart

South San Francisco

Dated: 10/24/2005

  
\_\_\_\_\_  
Daniel Tumas

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
P. Mickey Williams

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
William I. Wood

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Ivar J. Kljavin

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Jennie P. Mather

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
James Pan

South San Francisco

Dated: \_\_\_\_\_

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Nicholas F. Paoni

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Margaret Ann Roy

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Timothy A. Stewart

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Daniel Tumas

South San Francisco

Dated: 12/22/02

  
\_\_\_\_\_  
P. Mickey Williams

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
William I. Wood

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Ivar J. Kljavin

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Jennie P. Mather

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
James Pan

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Nicholas F. Paoni

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Margaret Ann Roy

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Timothy A. Stewart

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
Daniel Tumas

South San Francisco

Dated: \_\_\_\_\_

\_\_\_\_\_  
P. Mickey Williams

South San Francisco

Dated: 10/20/00

William I. Wood  
William I. Wood